

KERR MC GEE #3A STATE  
NE NE 4-19N-26E Apache County

349

P-W

COUNTY Apache AREA 5' SW Navajo LEASE NO. State 2120

WELL NAME KERR MCGEE #3A STATE ~~2120~~

LOCATION NE NE SEC 4 TWP 19N RANGE 26E FOOTAGE 330' FNL 330' FEL 330'

ELEV 5765 GR          KB          SPUD DATE 4-17-66 STATUS Completed TOTAL 997' PBTB         

CONTRACTOR Stewart Brothers COMP. DATE 4-23-66 DEPTH 1005'

4-28-66? 1010' AM Strat

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
7 5/8"	200'	125 SKS				Coconino	584 MCFPD Helium
6 3/4	1004	100 SKS					

[illegible]

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG	Am Strat
IE/Perforating Log/GR	965-980	965-980	SAMPLE DESCRP.	Four Corners
			SAMPLE NO.	1373*
			CORE ANALYSIS	
			DSTs	
			Tucson	2067*
REMARKS			APP. TO PLUG	
Samples turned in to Four Corners Samples Cuts.			PLUGGING REP.	
Helium producing.			COMP. REPORT	
			x	

### WATER WELL ACCEPTED BY

BOND CO. Firemen's Ins. Co.

BOND AMT. \$ 25,000

FILING RECEIPT 9447

API NO. 02-001-05265

PERMIT NUMBER

BOND NO. BND 188 98-10-528

DATE \_\_\_\_\_

ORGANIZATION REPORT 7-14-60

WELL BOOK    x                      PLAT BOOK    x

DEDICATION N/2 N/2 SW/4, SE/4SW/4SE/4  
Sec 4 E/2 NE/4 Sec 5

(over)

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION:									
New Well <input checked="" type="checkbox"/>	Work-Over <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reservoir <input type="checkbox"/>	Different Reservoir <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input checked="" type="checkbox"/>	Dry <input type="checkbox"/>	
DESCRIPTION OF WELL AND LEASE									
Operator <b>Kerr-McGee Corporation</b>				Address <b>Box K, Sunray, Texas</b>					
Federal, State or Indian Lease Number or name of lessor if fee lease <b>2120 State</b>				Well Number <b>3-A</b>		Field & Reservoir <b>Pinta - Dome</b>			
Location <b>330 FNL - 330 FEL</b>				County <b>Apache</b>					
Sec. TWP-Range or Block & Survey <b>Section 4 - T - 19 - N - R - 26 - E</b>									
Date spudded <b>4-17-1966</b>		Date total depth reached <b>4-23-1966</b>		Date completed, ready to produce <b>4-28-1966</b>		Elevation (OP, RKB, RT or Gr.) feet <b>5765 GL</b>		Elevation of casing hd. flange feet	
Total depth <b>1005</b>		P.B.T.D. <b>997 GL</b>		Single, dual or triple completion? <b>Single</b>		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion				Rotary tools used (Interval) <b>Rotary</b>		Cable tools used (Interval) <b>No</b>			
Was this well directionally drilled? <b>No</b>		Was directional survey made? <b>No</b>		Was copy of directional survey filed? <b>No</b>		Date filed <b>Will be filed later</b>			
Type of electrical or other logs run (check logs filed with the commission) <b>Induction Electric</b>						Date filed			
CASING RECORD									
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)									
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled			
Surface	11"	7 5/8	24	200	125	None			
Production	6 3/4"	4 1/2	9.5	1004	100	None			
TUBING RECORD									
Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)		
PERFORATION RECORD									
Number per ft.	Size & type	Depth Interval							
4	1/2" Jet	965 to 980							
ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD									
Am't. & kind of material used					Depth Interval				
INITIAL PRODUCTION									
Date of first production		Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)							
Date of test <b>4-27-66</b>	Hrs. tested <b>2</b>	Choke size <b>Open Flow</b>	Oil prod. during test <b>0</b> bbls.	Gas prod. during test <b>44</b> MCF	Water prod. during test <b>0</b> bbls.	Oil gravity <b>0° API (Corr)</b>			
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil <b>584</b> bbls.	Gas <b>584</b> MCF	Water <b>0</b> bbls.	Gas-oil ratio <b>0</b>			
Disposition of gas (state whether vented, used for fuel or sold): <b>Vented</b>									
<div style="text-align: right;">Div. Supt. of Oil &amp; Gas Production</div> <p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the _____ of the  <b>Kerr-McGee Corporation</b> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p style="text-align: center;">Date <u>April 29, 1966</u> Signature <u>[Signature]</u></p>									
Permit No. <b>349</b>				<div style="text-align: center;">STATE OF ARIZONA OIL &amp; GAS CONSERVATION COMMISSION</div> <p>Well Completion or Recompletion Report and Well Log</p> <p>Form No. 4      File One Copy</p>					

# DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Chinle	0	780	Shale with some sand stringers around 140'
Shinerump	780	864	Shale
Moencopi	864	965	Shale with small sand stringers
Coconino	965	1005	Sand
No DST's run			
<p>Surface Shut in pressure 72 P.S.I.G.  Open flow 584 MCF per day at 14.65 PSIG Pressure Base and .901 Specific Gravity</p>			

\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

## INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

PLUGGING RECORD					
Operator <b>Kerr-McGee Corporation</b>			Address <b>P. O. Box 250, Amarillo, TX 79105</b>		
Federal, State, or Indian Lease Number, or lessor's name if fee lease.		State <b>3A</b>	Field & Reservoir <b>PINTA DOME/Coconino Sand</b>		
Location of Well <b>NE-NE, Sec. 4, TWP 19N, RGE 26E</b>				Sec-Twp-Rge or Block & Survey <b>County Apache</b>	
Application to drill this well was filed in name of <b>Kerr-McGee Corporation</b>		Has this well ever produced oil or gas <b>Yes-Helium</b>		Character of well at completion (initial production): Oil (bbls/day) <b>0</b> Gas (MCF/day) <b>584</b> Dry? <b>No</b>	
Date plugged: <b>4/13/77</b>		Total depth <b>1005'</b>		Amount well producing when plugged: Oil (bbls/day) <b>0</b> Gas (MCF/day) <b>66</b> Water (bbls/day) <b>0</b>	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging		Fluid content of each formation		Depth interval of each formation	
<b>N/A</b>				Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
<b>7 5/8"</b>	<b>200'</b>	<b>0</b>	<b>200'</b>	<b>---</b>	<b>EZSV Retainer at 913'</b>
<b>4 1/2"</b>	<b>1004'</b>	<b>0</b>	<b>1004'</b>	<b>---</b>	<b>-----</b>
Was well filled with mud-laden fluid, according to regulations? <b>Yes</b>				Indicate deepest formation containing fresh water.	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
<b>Kerr-McGee Corporation</b>		<b>P. O. Box 250, Amarillo, TX 79105</b>		<b>A11</b>	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
<b>Well P &amp; A by setting 4 1/2" EZSV cement retainer at 913' with 50 sxs Class "B" cement pumped below retainer and 96 sxs. class B cement from retainer to surface.</b>					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Engineering Assistant</u> of the <u>Kerr-McGee Corporation</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date <b>April 22, 1977</b>		Signature <b>KEC</b>		Signature <b>Lynn Kelley</b> <b>Lynn Kelley</b>	
		<b>APR 25 1977</b>			
D & G CONS. COMM.			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
Permit No. <b>349</b>			Form No. 10		

# APPLICATION TO ABANDON AND PLUG

FIELD Pinta Dome  
 OPERATOR Kerr-McGee Corporation ADDRESS P. O. Box 250, Amarillo, TX 79105  
 Federal, State, or Indian Lease Number 2120 State State WELL NO. 3A  
 or Lessor's Name if Fee Lease  
 SURVEY T-19N, R-26E SECTION 4 COUNTY Apache  
 LOCATION 330' FNL & 330' FEL

TYPE OF WELL Gas (Helium) TOTAL DEPTH 1010'  
 (Oil, Gas or Dry Hole)  
 ALLOWABLE (If Assigned) None  
 LAST PRODUCTION TEST OIL 0 (Bbls.) WATER 0 (Bbls.)  
 GAS 66 (MCF) DATE OF TEST 3-13-72  
 PRODUCING HORIZON Coconino Sand PRODUCING FROM 965' TO 980'

## 1. COMPLETE CASING RECORD

Surface - 7-5/8" 24#, set at 200' & cemented with 125 sx Common Cement, 3% CaCl  
 & 1/4# Flocele/sx. Circulated cement.

Production - 4-1/2" 9.5# J-55 STC, set at 1004' & cemented w/100 sx Common Cement w/6%  
 Gel & 1/4# Flocele/sx. Calculated top of cement 280'.  
 PBT 992'.

## 2. FULL DETAILS OF PROPOSED PLAN OF WORK

1. Set cement retainer at 915'. Squeeze 50 sx cement below retainer.
2. Equalize 20 sx cement from 915' to 715'.
3. Pull tubing.
4. Fill casing to surface with cement (80 sx).
5. Erect marker of 4" pipe as per Rule 202-A7.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS Upon approval.

NAME OF PERSON DOING WORK C. J. Breeden ADDRESS P. O. Box 250, Amarillo, TX 79105

CORRESPONDENCE SHOULD BE SENT TO C. J. Breeden

Name

District Manager

Title

Address

Date

Date Approved 3-7-77

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION

By: [Signature]

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Application to Abandon and Plug  
 File Two Copies

Form No. 9

Permit No. 349

MINERAL COMPOSITION

SECTION OF SURFACE MINERAL EXPLORATION, 1964

Pineau, Dore, Occidental Range, 1964,

Apache County, Arizona

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	Initial 10/1/61	24 Hours 10/1/61	24 Hours 9/16/63	8 Hours 1/22/64	24 Hours 8/27/64	24 Hours 11/11/65	24 Hours 5/2/66	24 Hours 12/10/66
State 1-A (State 4)	99.4	99.0	92.80	89.4	86.1	N.M.	77.2	N.M.
State 1-28	98.8	95.6	92.43	89.3	85.8	78.6	76.8	73.9
Foot 1	99.3	95.5	92.20	89.2	85.6	78.5	77.0	73.1
State 3-A (State 3)	99.1	95.4	92.20	89.0	81.2	N.M.	77.7	73.2
State 2	99.1	95.5	92.15	89.0	85.6	78.5	76.7	73.0
State 1	99.1	95.4	92.19	88.7	85.4	78.5	77.0	73.1
State 2	99.3	95.7	92.45	89.2	85.8	78.7	77.1	73.3
State 1-2	99.6	96.7	93.85	91.2	N.M.	83.2	81.6	77.1
State 1-10	99.6	96.5	N.M.	N.M.	N.M.	83.0	81.6	77.0
Averages	99.3	95.8	92.53	89.4	85.1	79.9	78.1	74.2

N.M. - Not measured.

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# GAS WELL OPEN FLOW POTENTIAL TEST REPORT

4-POINT TEST

Initial ☐ Annual ☒ Special ☐

Field <b>Pinta Dome</b>		Reservoir <b>Coconino Sand</b>		Test Date <b>9-22-67</b>	
Operator <b>Kerr-McGee Corporation</b>		Lease <b>State</b>		Well No. <b>3-A</b>	
County <b>Apache</b>	Location <b>330° FNL and 330° FEL Section 4, 19N, 26E</b>	Completion Date <b>4-28-66</b>	Total Depth <b>997' PB</b>	T/Pay <b>964</b>	Producing Interval <b>965'-985'</b>
Producing TBG. Size <b>1 1/2"</b>	Thru CSG. <b>X</b>	Reservoir Temperature <b>84° F</b>	Wellhead Temperature <b>41° F</b>	CSG. Size <b>4 1/2"</b>	Wt/Ft. <b>9.5#</b>
I.D. <b>4.090</b>	Set @ <b>1,004'</b>				
Gas Gravity (Separator) <b>0.906</b>	Avg. Prod. Length (L) <b>975'</b>	GL <b>883</b>	Gas-Liquid Hydrocarbon Ratio MCF per Bbl.		
Gravity of Liquid (Apl)					
Pipeline Connection <b>Kerr-McGee Corporation</b>			Type Taps <b>Flange</b>		
Multiple Completion (Dual or Triple)			Type production from each zone		

## OBSERVED DATA Flow Data

No.	Time of Flow Hours	(Line) Size	(Orifice) Size	Press. psig	Diff. h	Tubing Press. psig	Casing Press. psig	Flowing Temp. °F
SI	42			Roots - PSIG			66.4	
1.	1 1/4	4	1 1/2	4.61 42.0	2.10		63.8	80.0
2.	1	4	1 1/2	4.62 42.5	3.30		60.7	75.6
3.	1	4	1 1/2	4.70 42.9	4.81		56.8	76.7
4.	1	4	1 1/2	4.70 43.1	6.02		52.6	78.8

## FLOW CALCULATIONS

No.	Coefficient (24 Hr.)	$\frac{X}{Y} \frac{h}{w} \frac{p}{m}$	Pressure psia	Flow Temp. Factor $F_t$	Gravity Factor $F_g$	Compress. Factor $F_{pv}$	Rate of Flow Q MCF/D
1.	12,735	9.68	53.8	0.9813	In Coefficient	1.0000	121.0
2.	12,735	15.25	54.3	0.9854		1.0000	191.4
3.	12,735	22.61	54.7	0.9843		1.0000	283.4
4.	12,735	28.29	54.9	0.9824		1.0000	353.9

$P_c = 78.2$  psia  $P_c^2 = 6.115$  PRESSURE CALCULATIONS  $F_c = 1.439$  ;  $(1 - e^{-s}) = .062$

	$\frac{P_w}{P_t}$ (psia)	$P_t^2$	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 \times 1 - e^{-s}$	$P_w^2$	$P_c^2 - P_w^2$	Cal. $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.		5.715	.174	.0303	.0019	5.717	0.398	75.6	.9668
2.		5.256	.275	.0756	.0047	5.261	0.854	72.5	.9271
3.		4.706	.408	.1665	.0103	4.716	1.399	68.7	.8785
4.		4.147	.509	.2591	.0161	4.163	1.952	64.5	.8248

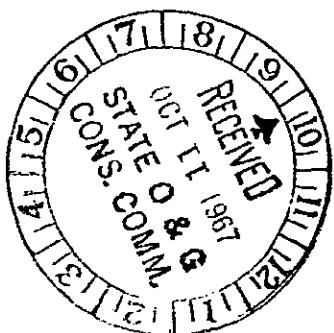
Absolute Potential

765

MCF/D

0.668

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Engineer of the Kerr-McGee Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.



Signature E. C. Bishop

STATE OF ARIZONA OIL & GAS  
CONSERVATION COMMISSION

Gas Well Open Flow Potential Test Report (4-Point Test)

Form No. 18

File two copies

Effective \_\_\_\_\_, 19\_\_\_\_



### INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

### NOMENCLATURE

$Q$  = Actual rate of flow at end of flow period at W. H. working pressure ( $P_w$ ),  
MCF/da. @ 15.025 psia and 60°F.

$P_c$  = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia

$P_w$  = Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing). psia

$P_t$  = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

$P_m$  = Meter pressure, psia

$h_w$  = Differential meter pressure, inches water

$F_g$  = Gravity correction factor

$F_t$  = Flowing temperature correction factor

$F_{pv}$  = Supercompressibility factor

$n$  = Slope of back pressure curve

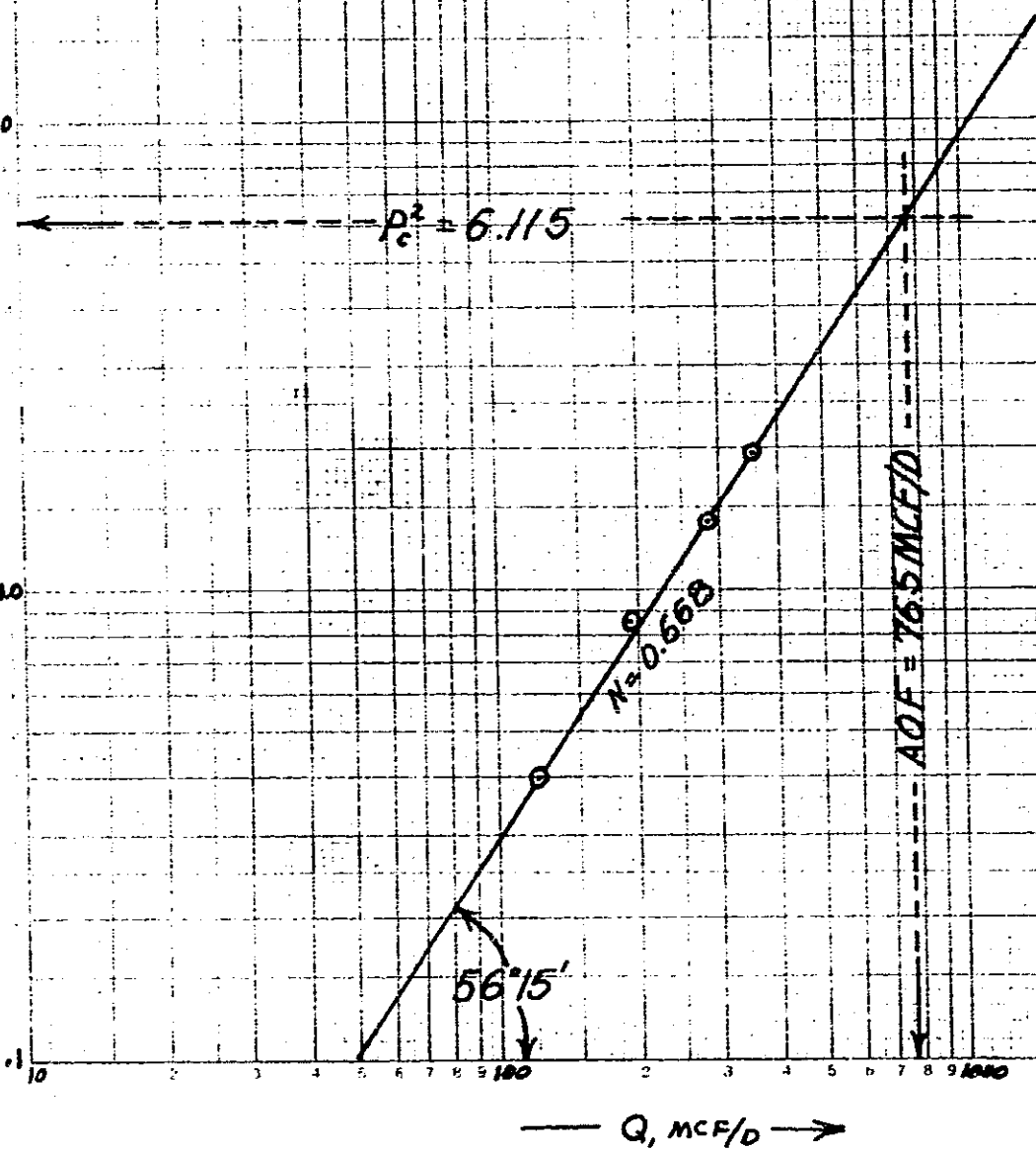
$OL_{mix}$  =  $G$  times average producing length of flow string

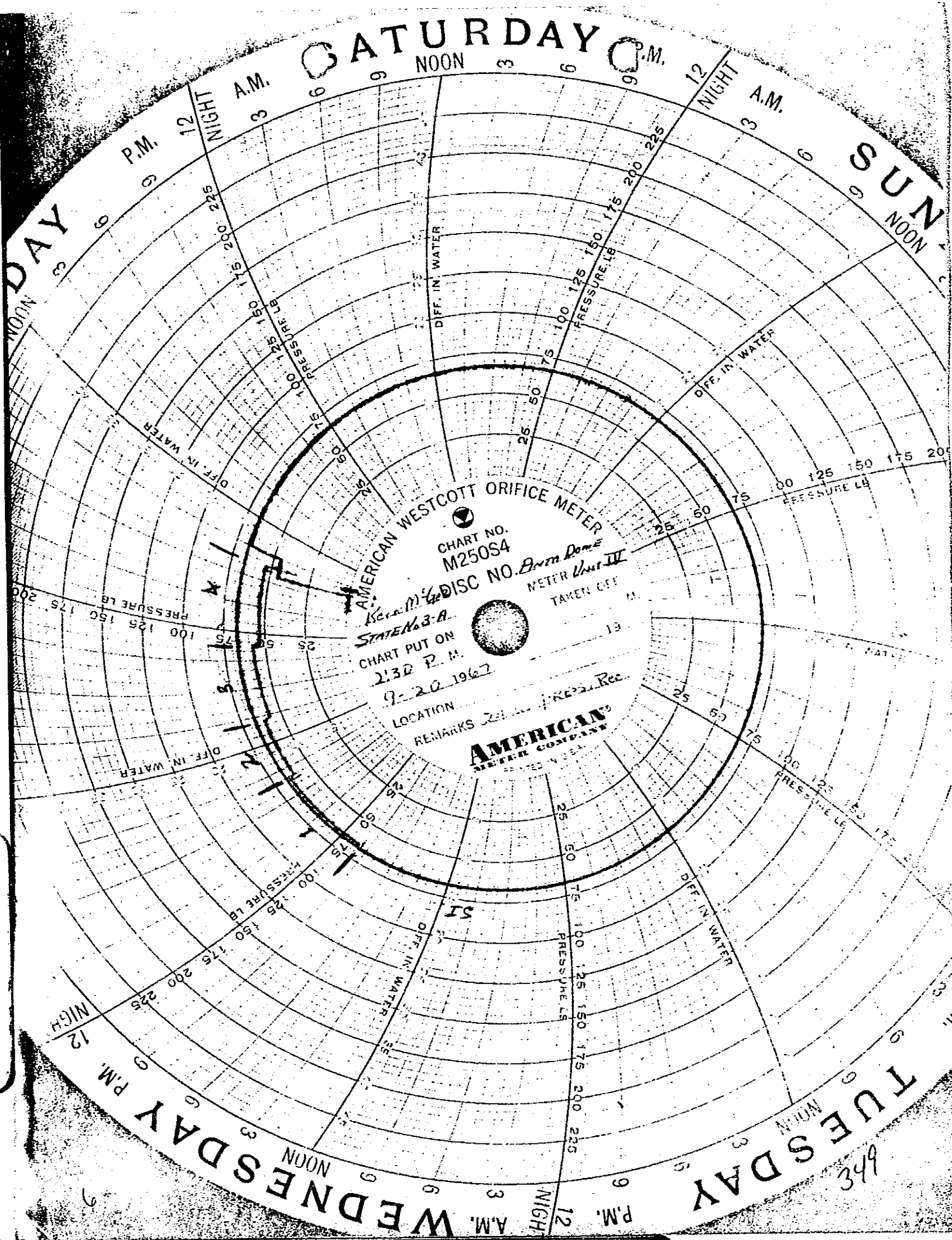
Note: If  $P_w$  cannot be taken because of manner of completion or condition of well, then  $P_w$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_t$ .

$F_c$ ,  $Q$  and  $1-e$  are factors utilized in calculating the pressure drop due to friction.

4 POINT BACK PRESSURE TEST  
 STATE "3A", PINTA DOME FIELD  
 APACHE CO. ARIZ. Tested-9/22/67

$(P_e^2 - P_w^2) \times 10^{-3}$





# GAS WELL OPEN FLOW POTENTIAL TEST REPORT

4-POINT TEST

Initial ☐ Annual ☒ Special ☐

Field Pinta Dome Reservoir Coconino Sand Test Date 9-22-67

Operator Kerr-McGee Corporation Lease State Well No. 3-A

County Apache Location 330' ENL and 330' FEL Section 4, 19N, 26E Completion Date 4-28-66 Total Depth 997' PB T/Pay 964 Producing Interval 965'-985'

Producing Thru TBG. X Reservoir Temperature 84 Wellhead Temperature 4.1 CSG. Size 4.1 Wt/Ft. 9.5 I.D. 4.090 Set @ 1.004

TBG. Size 4 Wt/Ft. 4.2 O.D. 4.2 I.D. 4.2 Set @ 0.906 Gas Gravity (Separator) 0.906 Avg. Prod. Length (L) 975' GL 883 Gas-Liquid Hydrocarbon Ratio MCF per Bbl. 883 Gravity of Liquid (Apl) 883

Pipeline Connection Kerr-McGee Corporation Type Taps Flange

Multiple Completion (Dual or Triple) Flange Type production from each zone

## OBSERVED DATA Flow Data

No.	Time of Flow Hours	(ROCKE) (Line) Size	(ROCKE) (Orifice) Size	Press. psig	Diff. h w Roots	Tubing Press. psig	Casing Press. psig	Flowing Temp. °F
SI	42			Roots - PSIG			66.4	
1.	1.1	4	1.1	4.61 42.0	2.10		63.8	80.0
2.	1	4	1.1	4.62 42.5	3.30		60.7	75.6
3.	1	4	1.1	4.70 42.9	4.81		56.8	76.7
4.	1	4	1.1	4.70 43.1	6.02		52.6	78.8

## FLOW CALCULATIONS

No.	Coefficient (24 Hr.)	$\frac{X}{Y} \frac{h}{w} \frac{p}{m}$	Pressure psia	Flow Temp. Factor $\frac{F}{t}$	Gravity Factor $\frac{F}{E}$	Compress. Factor $\frac{F}{pv}$	Rate of Flow Q MCF/D
1.	12,735	9.68	53.8	0.9813	In Coefficient	1.0000	121.0
2.	12,735	15.25	54.3	0.9854		1.0000	191.4
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4.	12,735	28.29	54.9	0.9824		1.0000	353.9

$P_c = 78.2$  psia  $P_c^2 = 6.115$  PRESSURE CALCULATIONS  $F_c = 1.439$  ;  $(1-e^{-S}) = .062$

	$\frac{P_w}{P_t}$ (psia)	$P_t$	$P_c$	$(F_c Q)^2$	$(F_c Q)^2 \times 1.0 \cdot e^{-S}$	$P_w^2$	$P_c^2 - P_w^2$	Cal. $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.		5.715	.174	.0303	.0019	5.717	0.398	75.6	.9668
2.		5.256	.275	.0756	.0047	5.261	0.854	72.5	.9271
3.		4.706	.408	.1665	.0103	4.716	1.399	68.7	.8785
4.		4.147	.509	.2591	.0161	4.163	1.952	64.5	.8248

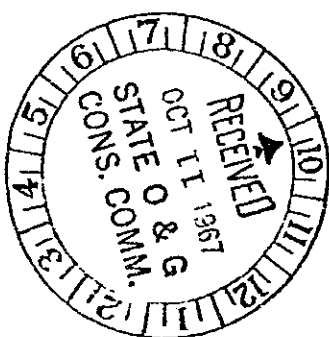
Absolute Potential

765

MCF/D

0.668

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Engineer of the Kerr-McGee Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.



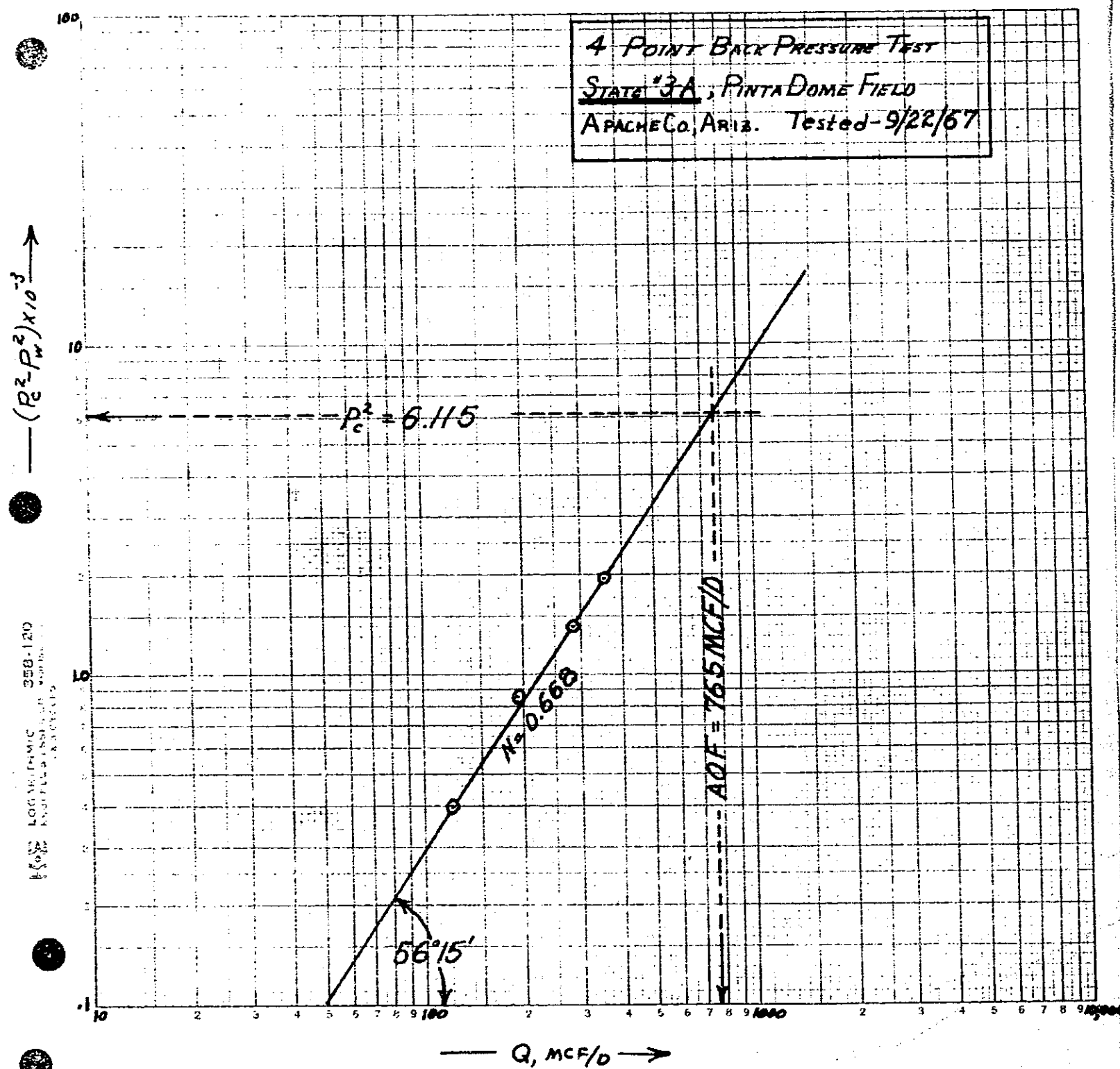
Signature E. C. Bishop

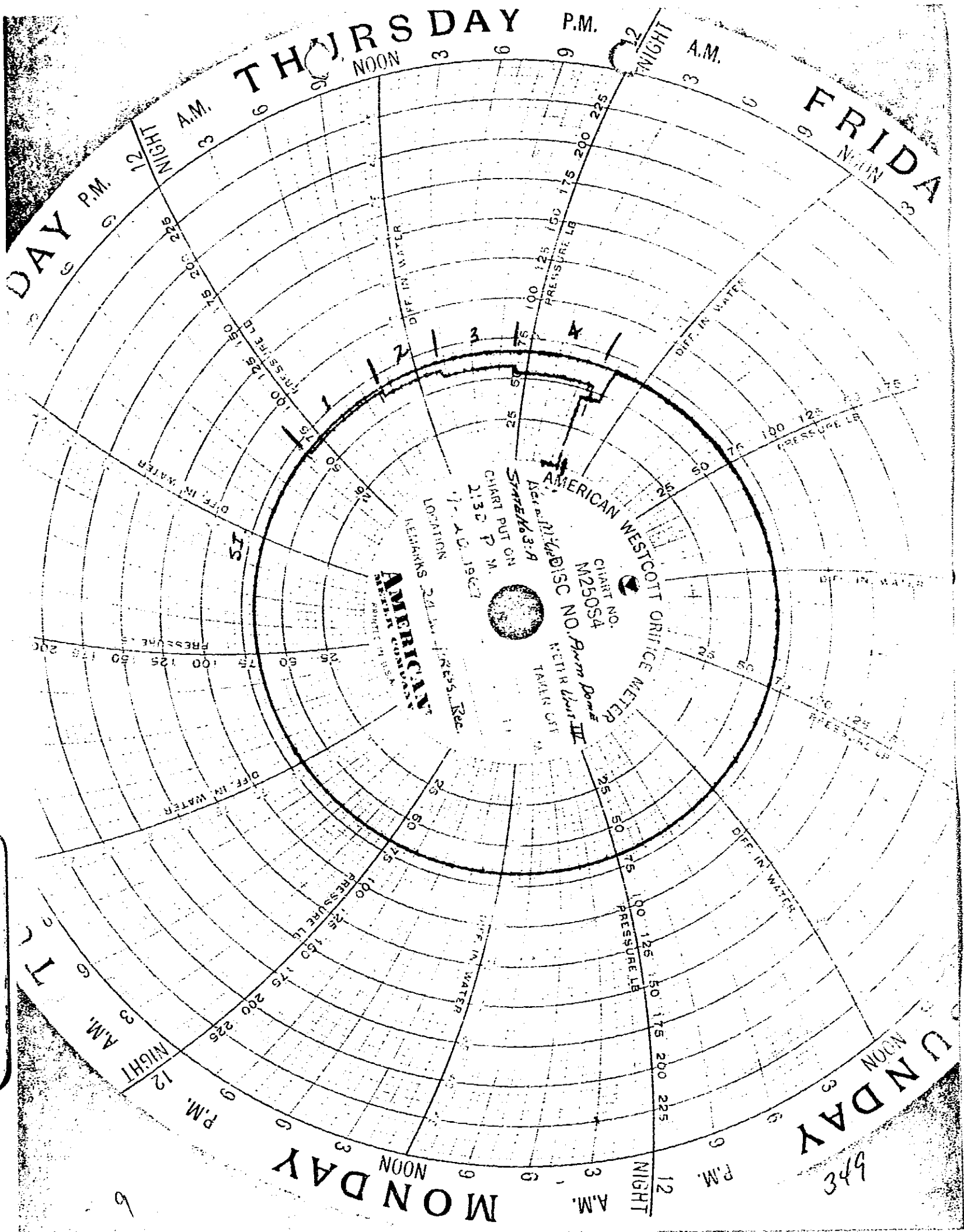
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

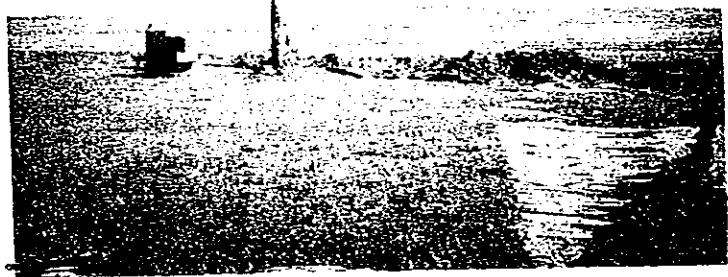
Gas Well Open Flow Potential Test Report (4-Point Test)

Form No. 6-1 File two copies

18 Effective \_\_\_\_\_, 19\_\_\_\_







May 16-66

(Ken McGee #3A State 2120)

OK *js*

349

4-29-66

Otto Barton, Kerr-McGee, telephoned

Re: Kerr-McGee #3A state  
NE NE 4-19N-26E, Apache County  
Permit 349

He completed well today. Will deliver samples to Four Corners  
Sample Cut tomorrow. Has ordered logs to us. Produce 854 MCF  
per day.

Will come in soon for permit to re-enter th last well. It had  
signs of a pay zone around 2900 feet and he wants to try again  
to complete it.

He is going into the hospital this weekend---be back on the  
job in a week or ten days. Meantime if you need to call for  
any reason Joe Breeden could probably help you.

Meantime, I will send him a supply of well completion reports,  
per his request, and necessary forms for re-entering well,  
and applic to plug and plugging record for #3 State should he  
still plan to plug that one (I forgot to ask his intentions).

349



CLASS OF SERVICE  
This is a fast message  
unless its deferred char-  
acter is indicated by the  
proper symbol.

# WESTERN UNION

## TELEGRAM

W. P. MARSHALL  
CHAIRMAN OF THE BOARD

R. W. MCFALL  
PRESIDENT

SYMBOLS  
DL = Day Letter  
NL = Night Letter  
LT = International  
Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

432P PDT APR 25 66 LA539 DA459

D AMA582 PD 4 EXTRA DUMAS TEX 25 502P CST  
OIL AND GAS COMMISSION (PHONE 271-5161)

STATE OF ARIZONA ROOM 202 1624 ADAMS ST PHOENIX ARIZ  
ATTN: MR JOHN BANNISTER

CONFIRMING OUR TELEPHONE CONVERSATION OF APRIL 22 1966 AS PER  
YOU VERBAL PERMISSION IT IS OUR INTENTIONS TO WAIVE TUBING  
REQUIREMENT RULE 109E IN THE COMPLETION OF OUR STATE NUMBER  
3A WELL IN APACHE COUNTY BECAUSE OF EXTREMELY LOW RESEVOIR PRESSURE  
WE CAN OPERATE THIS WELL MORE EFFICIENTLY WITHOUT TUBING. DETAIL  
LETTER FOLLOWING

OTTO BARTON KERR MCKEE CORPORATION BOX K SUNRAY TEXAS  
(25).

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation  
 2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) Drilling  
 3. Well Name State #3-A  
 Location 330' FNL & 330' FEL  
 Sec. 4 Twp. T-19-N Rge. R-26-E County Apache, Arizona.  
 4. ~~XXXX~~ State ~~XXXXXXXXXX~~ Number ~~XXXXXXXXXXXX~~ 2120

5. Field or Pool Name Pinta Dome

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

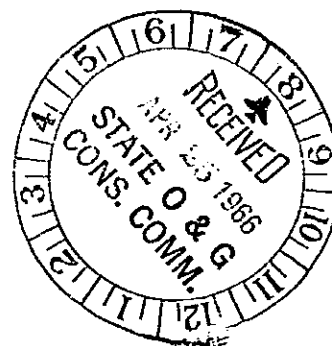
NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>		(OTHER)	<u>Surface Casing</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled 11" hole to 206'. Set 7 5/8" 21# Casing at 200' GL or 206' KB. Cemented with 125 sacks common 3% calcium chloride and 1/4# Flocele per sack. Left 30' cement inside casing and circulated cement to surface. Job completed 11:30 PM 4-18-66.

Spudded 11" hole at 2:00 PM 4-17-66.



8. I hereby certify that the foregoing is true and correct.

Signed [Signature]

Title Div. Supt. Oil & Gas Date 4-21-66

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies

Form No. 25

Permit No. 349

From the Desk of

**JOHN BANNISTER**

4-21-66

Kerr McGee - 3-A

# 349

TD 880'

Surface Set to 206'  
cemented to Surface

JB

SUNDY NOTICES AND REPORTS ON W

1. Name of Operator **Kerr-McGee Corporation**

2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) **Drilling**

3. Well Name **State #3-A**

Location **330' FNL & 330' FNL**

Sec. **4** Twp. **T-19-N** Rge. **R-26-E** County **Apache** Arizona.

4. ~~XXXX~~ State ~~XXXXXXXXXX~~ Number ~~XXXXXXXXXXXXXX~~ **2120**

5. Field or Pool Name **Pinta Dome**

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

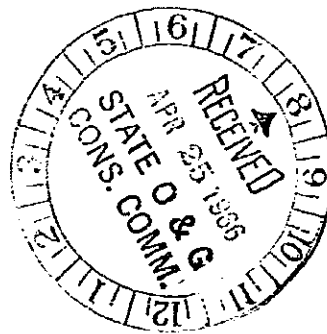
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <b>Surface Casing</b>	ABANDONMENT <input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled 11" hole to 206'. Set 7 5/8" 2 1/2" Casing at 200' GL or 206' KB. Cemented with 125 sacks common 3/4 calcium chloride and 1/4# Floccle per sack. Left 30' cement inside casing and circulated cement to surface. Job completed 11:30 PM 4-18-66.

Spudded 11" hole at 2:00 PM 4-17-66.



8. I hereby certify that the foregoing is true and correct.

Signed *W.C. Barton*

Title **Div. Supt. Oil & Gas** Date **4-21-66**

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Sundry Notices and Reports On Wells  
File Two Copies

Permit No. **349**

Form No. 25

From the Desk of

**JOHN BANNISTER**

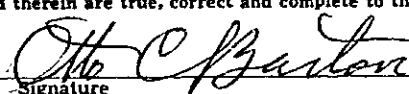
Kerr Mc Gee # 349

4-11-66 Making location

will drill 200' & set 7 5/8"

Cement to Surface

Probable Spud 4-13-66

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER			
APPLICATION TO DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RE-ENTER OLD WELL <input type="checkbox"/>		DATE	
NAME OF COMPANY OR OPERATOR <b>Kerr-McGee Corporation</b>		<b>March 23, 1966</b>	
Address <b>Box K</b>	City <b>Sunray</b>	State <b>Texas</b>	
DESCRIPTION OF WELL AND LEASE			
<del>Nearest State</del> Number or name of lessor, if fee lease <b>2120 State</b>	Well number <b>3 - A</b>	Elevation (ground) <b>5765</b>	
Well location and acreage dedicated to the well (give footage from section lines) <b>330' FNL &amp; 330' FEL Section 4</b>		Section—township—range or block & survey <b>T-19-N R-26-E</b>	
Field & reservoir (if wildcat, so state) <b>Pinta Dome</b>	County <b>Apache</b>		
Distance, in miles, and direction from nearest town or post office <b>5 Miles - SW - Navajo</b>			
Nearest distance from proposed location to property or lease line: <b>330 feet</b>		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <b>2905 feet</b>	
Proposed depth: <b>1150'</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>4-20-1966</b>	
Number of acres in lease: <b>unit</b> <b>680</b>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>one</b>	
If lease, purchased with one or more wells drilled, from whom purchased:			
Status and amount of bond <b>On File \$ 10,000.00</b>		Organization Report On file <input checked="" type="checkbox"/> Or attached <b>On File</b>	
Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/> Yes			
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)  <p style="margin: 5px 0;">Acreage for well is Pinta Dome Unit 1V consisting of N/2 and N/2 SW/4 and SE/4 SW/4 and SE/4 of Section 4 and E/2 NE/4 of Section 5.</p> <p style="margin: 5px 0;">Upon successful completion of this State # 3-A Well. The existing State # 3 Well will be shut down to avoid water production.</p>			
*Fill in Proposed Casing Program on reverse side			
<p style="margin: 0;">CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the..... <b>Division Superintendent</b>.....of the</p> <p style="margin: 0;"><b>Kerr-McGee Corporation</b>.....(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <div style="text-align: center; margin-top: 10px;">               Signature         </div> <div style="text-align: center; margin-top: 10px;"> <b>3-26-1966</b>              Date         </div>			
Permit Number: <b>349</b> Approval Date: <b>3-31-66</b> Approved By: <i>John Bannister</i> Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided. See Instruction on Reverse Side of Form		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill, Deepen or Plug Back and Plug File Two Copies Form No. 3	

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐
5. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation \_\_\_\_\_
6. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
<div style="display: flex; justify-content: space-between;"> <div style="width: 50%;"> </div> <div style="width: 45%;"> <p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name <b>Otto C. Barton</b></p> <p>Position <b>Division Supt. Prod.</b></p> <p>Company <b>Kerr-McGee Corp.</b></p> <p>Date <b>3-26-1966</b></p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed <b>3-19-1966</b></p> <p>Registered Professional Engineer and/or Land Surveyor <b>Lacy Camp Greer</b></p> <p>Certificate No. <b>5704</b></p> </div> </div>	

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
7 7/8"	26.4	J-55	0	200	0- 200	100 sx
4 1/2"	9.5	J-55	0	1150	500- 1150	200 sx



## PERMIT TO DRILL

This constitutes the permission and authority from the  
OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

To: KERR MC GEE CORPORATION  
(OPERATOR)

to drill a well to be known as

KERR MC GEE #3A STATE 2120

(WELL NAME)

located 330' FNL & FEL

Section 4 Township 19N Range 26E, Apache County, Arizona.

E/2NE/4, Sec. 5

The ~~entire~~ N/2, N/2SW/4, SE/4SW/4, SE/4, Sec. 4 of said  
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled  
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 31 day of March, 1966.

OIL AND GAS CONSERVATION COMMISSION

By John V. Bannister  
EXECUTIVE SECRETARY

PERMIT N<sup>o</sup> 349

RECEIPT NO. 9447

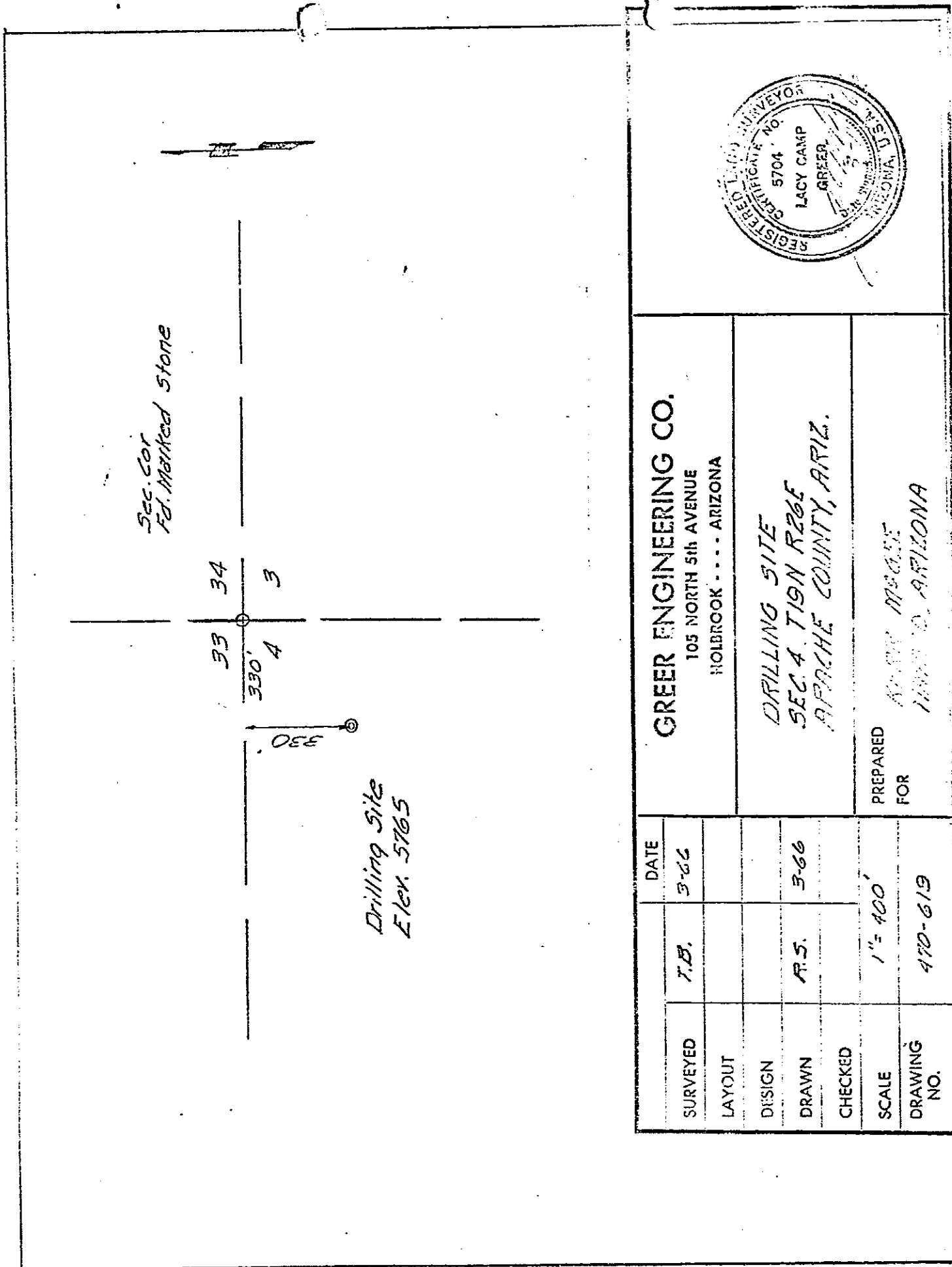
State of Arizona  
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

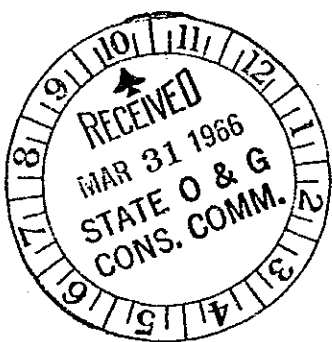


Topographic map of the Navajo South area, showing terrain, roads, and various landmarks. The map includes a grid with coordinates and labels for various points of interest, including 'Navajo South 751', 'Santa Fe', and 'Pine'. The map is oriented with North at the top.

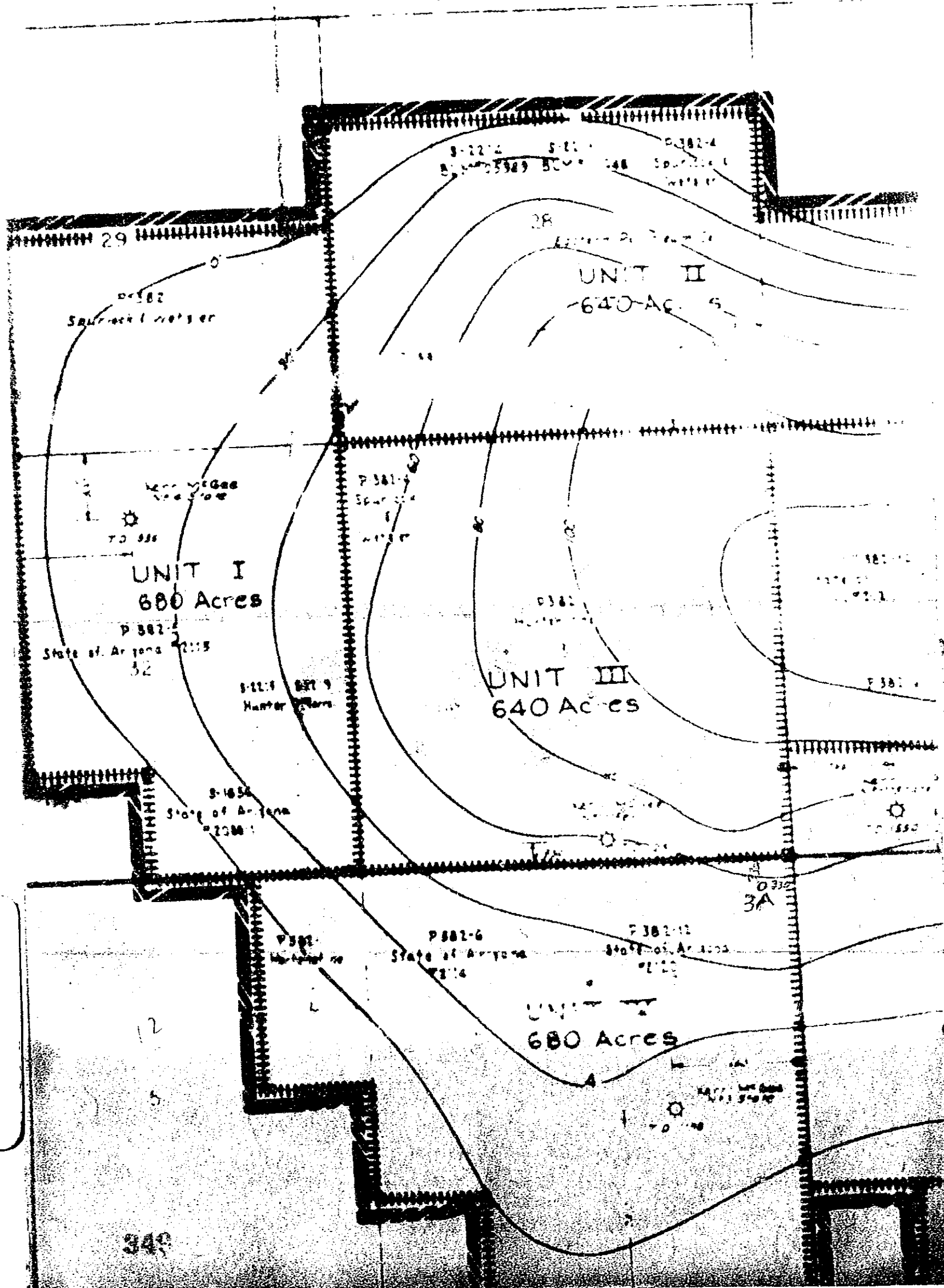


SURVEYED		T.B.	DATE	3-66
LAYOUT				
DESIGN				
DRAWN		R.S.	3-66	
CHECKED				
SCALE		1" = 400'		
DRAWING NO.		470-619		

<b>GREER ENGINEERING CO.</b> 105 NORTH 5th AVENUE HOLBROOK . . . . ARIZONA		
DRILLING SITE SEC. 4, T19N R26E APACHE COUNTY, ARIZ.		
PREPARED FOR ARIZONA MEASURE 1966 O. ARIZONA		



Showing Leases of Kerr-McGee Oil Industries  
covering the Pinta Dome Coconino Gas Sand





Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

845 North Park Avenue, #100  
Tucson, Arizona 85719  
(602) 882-4795



Larry D. Fellows  
Director and State Geologist

October 28, 1992

Mr. Merle Bohlander  
1600 Turtle Creek  
Pampa, Texas 79065

Dear Merle:

Enclosed is the information you requested, the last few years of production and the plugging records for the wells in the Pinta Dome Field. I have also enclosed a summary of surface shut-in pressures for the Pinta Dome Field.

Sincerely,

*Steven L. Rauzi*

Steven L. Rauzi  
Oil & Gas Program Administrator

Enclosures



OFFICE OF  
**Oil and Gas Conservation Commission**

STATE OF ARIZONA  
8686 NORTH CENTRAL, SUITE 106  
PHOENIX, ARIZONA 85020  
PHONE: (602) 271-5161

March 7, 1977

Mr. C. J. Breeden  
Kerr-McGee Corporation  
P.O. Box 250  
Amarillo, Texas 79105

Re: Form 9, Application to Abandon and Plug

Dear Mr. Breeden:

Attached are your approved copies of Form 9, Application to Abandon and Plug ten wells in the Pinta Dome Field, Apache County, Arizona.

Please advise me what date you plan to commence plugging operations.

Very truly yours,

A handwritten signature in cursive script, appearing to read "W. E. Allen", is written over the typed name.

William E. Allen  
Director  
Enforcement Section

WEA/vb  
Enc.

~~349~~ 349



**KERR-McGEE CORPORATION**

626 AMARILLO PETROLEUM BUILDING  
P.O. BOX 250 • AMARILLO, TEXAS 79105

PHONE  
806 376-7256

February 28, 1977

Arizona Oil and Gas Conservation Commission  
8686 North Central Avenue, Suite 106  
Phoenix, Arizona 85020

RECEIVED  
MAR 3 1977  
O & G CONS. COMM.

RE: Form 9  
Application to Abandon  
and Plug

Gentlemen:

Attached are two copies each of Form 9, Application to Abandon and Plug, for 10 wells in the Pinta Dome Field, Apache County, Arizona. Plugging will commence when your approval is obtained and with availability of equipment to perform this work. If there are any questions, please advise.

Sincerely,

KERR-McGEE CORPORATION

*C. J. Breeden*  
C. J. Breeden  
District Manager  
Southwest District - North America

CJB/srm

Attachments

349

# 349

Page 2  
Activity Report  
Enforcement Section

Kerr-McGee Corporation has shut down its helium extraction plant in Navajo, Arizona. This plant was shut down

February 25, 1976. Production in the Pinta Dome field had declined to such an extent that it was no longer economical to operate this plant. Kerr-McGee now plans to plug their wells in the Pinta Dome Unit and abandon all operations.

Several months ago, Kerr-McGee made some effort to take over operations of the Navajo Springs Unit. It is doubtful that if they had been successful in this venture, the Navajo Springs Unit would have supplied enough additional gas to prolong the closing of the plant for any great period of time.





OFFICE OF  
**Oil and Gas Conservation Commission**  
STATE OF ARIZONA  
4515 NORTH 7TH AVE.  
PHOENIX, ARIZONA 85013  
PHONE: (602) 271-5161

September 18, 1973

Mr. Robert Fullop  
Eastern Petroleum Company  
P. O. Box 226  
Farmington, New Mexico 87401

Dear Mr. Fullop:

Will you please supply this Commission with any information that you might have regarding the recoverable reserves in the Navajo Springs Field?

This information will be considered confidential if you so desire.

Thank you for your cooperation.

Very truly yours,

  
W. E. Allen, Director  
Enforcement Section

WEA/rlb





**KERR-McGEE**

POST OFFICE BOX 700 • SUNRAY, TEXAS 79084

June 9, 1969

Oil and Gas Conservation Commission  
State of Arizona  
Room 202 - 1624 West Adams  
Phoenix, Arizona 85007

Attention: Mr. James A. Lambert

Dear Sir:

In accordance with my telephone conversation with you and Mr. John Bannister today, we are hereby requesting the commissions approval to defer the annual testing requirements set forth in Rule 401 on all helium gas wells in the Pinta Dome Unit, Apache County, Arizona.

This field is a unit operation. Only six wells, Eastern State #1-2 and #1-28, Kerr-McGee State #1, #2, #3A, and Fee #1 have been produced, the other three wells, Eastern State 1-10, Kerr-McGee State #4A and Kerr-McGee Fee #2 have been shut-in since unit was formed on January 1, 1968.

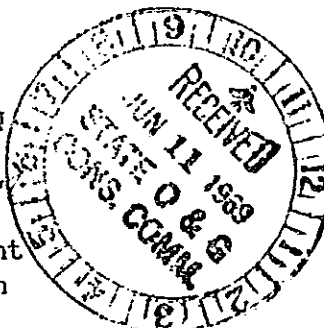
Shut in pressures in this field are very low with none exceeding 60 p.s.i.g. Plant operation makes gas flow very erratic, rate of flow and line pressures are very seldom steady for over a few hours at one time. Also when plant is in full operation, line pressures and well operating pressures are never more than 1 to 5# less than well shut in pressures. These conditions make testing procedures as outlined in the testing manual impossible. The only way potential tests could be accomplished would be by venting gas to air which would constitute a waste of valuable natural resources.

We believe that a representative test of the wells in this field is almost impossible and that no useful purpose can be accomplished by flow tests of wells in this unit operation. Therefore we are making this request that annual tests on all wells in Pinta Dome unit be again deferred.

Yours very truly,

KERR-McGEE CORPORATION

*Otto C. Barton*  
Otto C. Barton  
Division Superintendent  
Oil and Gas Production



OCB/ds

349

X-Chloro  
X-Lambert

May 29, 1969

Memo to Files 10 and 349

Memo from J. Lambert

Re: Kerr-McGee Oil Fee #1  
T20N, R26E, G & SRM  
Sec. 33: SW/4 SE/4  
Apache County  
Permit #10 X

Kerr-McGee #3A State  
T19N, R26E, G&RM  
Sec. 4: NE/4 NE/4  
Apache County  
Permit 349

Otto Barton, Kerr-McGee called this date. He indicates that during the month of June he will produce the two captioned wells. These wells have been shut in and carried on the Kerr-McGee Monthly Producers Report as "shut in and used for emergency".

He broached the subject of exceptions on the Pressure Test due to be accomplished during the month of June. We both remained non committal as to the possibility of exceptions to this testing requirement. He mentioned that he was leaving on vacation today but would be back at work within a couple of weeks and he might contact us at that time. I notice in the file that an exception to the testing requirement was granted by letter dated June 6, 1968. I believe he is going to try for that again.



OFFICE OF  
Oil and Gas Conservation Commission  
STATE OF ARIZONA  
ROOM 202  
1624 WEST ADAMS  
Phoenix, Arizona 85007  
PHONE: 271-5161

X - Lambert  
X - Chrono

May 22, 1969

Mr. Otto C. Barton  
Kerr-McGee Corporation  
P. O. Box K  
Sunray, Texas 79086

Re: Kerr-McGee Fee #1  
Kerr-McGee Fee #2  
Kerr-McGee State #1 (Sec. 34 of 20826)  
Kerr-McGee State #2  
Kerr-McGee State #3A  
Kerr-McGee State #4A  
Eastern State #1-10  
Eastern State #1-28  
Eastern State #1-2

Permit #10  
Permit #39 } X  
No Permit  
Permit #36  
Permit #349  
Permit #378  
Permit #80 } X  
Permit #88  
Permit #81

Dear Mr. Barton:

In accordance with Rule 401 the Oil and Gas Conservation Commission, State of Arizona, has adopted procedures for the annual testing for all gas and/or helium wells.

The Commission's procedure is based upon and must be used in conjunction with the Manual of Back-pressure Testing of Gas Wells as issued by Interstate Oil Compact Commission, P. O. Box 53127, Oklahoma City, Oklahoma 73105.

The Commission has prepared, in addition, a supplement to the IOCC manual inasmuch as that manual is based upon a pressure base other than the 15.025 required by the State of Arizona. The supplement to the IOCC manual has made all necessary corrections to the IOCC manual to reflect the 15.025 pressure base.

Page 2  
Mr. Barton  
May 22, 1969

The tests as required by Rule 401 shall be conducted during the month of June each year and reported in duplicate by July 10th of each year. Forms 18 and 20 will be used for this purpose.

Yours truly,

James A. Lambert  
Administrative Assistant

JB:jf

Enc.

Operator KERR MC GEE ~~OIL INDUSTRIES INC.~~ Corporation  
 Bond Company Insurance Co. of N. America Amount 25,000  
 Bond No. M 41 95 25 (KM528) Date Approved 10-28-65

Permits covered by this bond:

10	386	417
36	389	418
37	390	419
38	391	420
39	392	422
57	396	426
63	397	427
64	398	441
142	399	445
238	402	446
303	403	→ see this file
90	404	
91	405	
349	406	
303	407	
377	408	
378	409	
379	410	
380	411	
381	413	
384	414	
385	416	

superseded by  
 American Casualty Co. Bond  
 \$25,000  
 #5471020-52

CANCELLED

DATE 10-24-68



OFFICE OF  
**Oil and Gas Conservation Commission**  
STATE OF ARIZONA  
ROOM 202  
1624 WEST ADAMS  
Phoenix, Arizona 85007  
PHONE: 271-5161

June 6, 1968

Kerr-McGee Corporation  
P.O. Box K  
Sunray, Texas 79086

Attention: Mr. Otto C. Barton

Re: Kerr-McGee #1 State  
SW SW 34-20N-26E, Apache County, Permit

Kerr-McGee #2 State  
NW SE 34-20N-26E, Apache County, Permit 36

Eastern Petroleum #1-2 State  
NE SW 2-19N-26E, Apache County, Permit 81

Eastern Petroleum #1-28 State  
SE SE 28-20N-26E, Apache County, Permit 88

Kerr-McGee #1 Fee  
SW SE 33-20N-26E, Apache County, Permit 10

Eastern Petroleum #1-10 State  
NE NE 10-19N-26E, Apache County, Permit 80

Kerr-McGee #2 Fee  
NW NW 35-20N-26E, Apache County, Permit 39

Kerr-McGee #3A State  
NE NE 4-19N-26E, Apache County, Permit 349

Kerr-McGee #4A State  
SW NE 32-20N-26E, Apache County, Permit 378

Gentlemen:

In reply to your letter of May 22, 1968, this letter constitutes permission from this Commission to suspend until further notice the annual capacity testing of captioned helium gas wells comprising the Pinta Dome Coconino Sand Gas Pool Unit.

Very truly yours,

John Bannister  
Executive Secretary





May 22, 1968

Oil & Gas Conservation Commission  
of the State of Arizona  
Room 202, 1624 West Adams Street  
Phoenix, Arizona 85007

Attention: Mr. John Bannister  
Executive Secretary

Gentlemen:

We are hereby requesting the Commissions approval to defer the annual testing requirements set forth in the rule 401 on all Helium Gas Wells in the Pinta Dome Unit, Apache County, Arizona.

This field is a unit operation and only those wells needed to supply the plants demand are produced. At present only four wells, Eastern State #1-28, Eastern State #1-2, KM State #1 and KM State #2 are being produced. The other five wells in the unit, Eastern State #1-10, KM State #3A and 4A and KM Fee #1 and #2 have been shut in since the unit was formed on January 1, 1968.

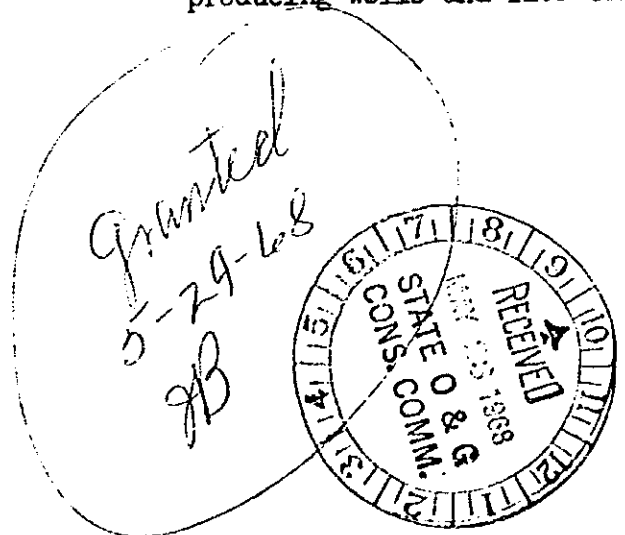
As our sales and production rates vary greatly over short periods of time and well pressures are very low, it is almost impossible to follow testing procedures as outlined in the testing manual except by venting gas to the air while testing.

The venting of gas to air constitutes a waste of valuable natural resources. We feel that no useful purpose can be served by annual potential tests of wells in a unit operation of this kind. Therefore we are making this request that annual tests be deferred on all wells in the Pinta Dome Unit. This includes both the four producing wells and five temporarily shut in wells listed above.

Yours very truly,  
Kerr-McGee Corporation

*Otto C. Barton*

Otto C. Barton  
Division Superintendent of Oil & Gas Prod.  
Box K-Sunray, Texas-79086



349

September 12, 1966

Kerr-McGee Corporation  
P.O. Box K  
Sunray, Texas

Attention: Mr. Billy Bell, Asst. Division Clerk

Re: Kerr McGee #3 State well  
NW SE 4-19N-26E, Apache County  
Permit 37

Kerr-McGee #3A State well  
NE NE 4-19N-26E, Apache County  
Permit 349

Gentlemen:

In reviewing the production reports we note that in May, 1966 you showed production from the #3 State as 2,557 MCF. By letter of August 4, 1966 Mr. Otto C. Barton informed us that the #3 well was shut in upon completion of the #3A well. Our records reflect that the #3A well was completed April 23, 1966, and consequently we are treating the May production as coming from the #3A well, rather than the #3 well.

We are correcting our production reports to reflect this. Of course all production from these wells will still be attributed to Unit IV.

Will you please confirm our assumptions?

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

349



**KERR-McGEE CORPORATION**

POST OFFICE BOX "K" • SUNRAY, TEXAS 79086

August 4, 1966

Mr. John Bannister  
Oil and Gas Conservation Commission  
State of Arizona  
1624 West Adams  
Phoenix, Arizona 85007

Re: Kerr-McGee No. 3A State 2120  
NE NE 4-19N-26E, Apache County, Arizona

Dear Mr. Bannister:

In reply to your letter dated July 28, 1966, I am enclosing two copies of IES log and two copies of perforating depth control log on the above captioned well. This should bring Kerr-McGee into full compliance with your rules and regulations.

In regard to our State No. 3 Well, it has been shut in since the completion of State No. 3A. It is our intention to keep this well shut in pending the further gas withdrawal from the field, with the thought of converting it to a salt water disposal well if needed at a later date.

Yours very truly,

KERR-McGEE CORPORATION

*Otto C. Barton / Ben*  
Otto C. Barton  
Division Superintendent  
Production

OCB/s

Enclosures: 4

cc; John I. Fisher



#349

July 28, 1966

Mr. Otto C. Barton  
Division Superintendent  
Kerr-McGee Corporation  
P.O. Box K  
Sanray, Texas 79086

Re: Kerr-McGee #3A State 2120  
NE NE 4-19N-26E, Apache County, Arizona  
Our File 349

Dear Mr. Barton:

Please be advised that Kerr-McGee Corporation is not in compliance with our Rule 119A inasmuch as this well was completed on April 28, 1966 and the required logs taken by you have not been filed with this Commission. I would refer you to your letter of April 29, 1966 wherein you advised that electric logs would be forwarded as soon as copies became available.

Will you please see that copies of logs are filed with this Commission in order to bring Kerr-McGee into full compliance with our Rules and Regulations.

Further, your application to drill captioned well stated: "Upon successful completion of this #3A well the existing State #3 well will be shut down..." What are your plans at this time concerning the #3 well?

Very truly yours,

John Bannister  
Executive Secretary  
MB



**KERR-McGEE CORPORATION**

POST OFFICE BOX "K" • SUNRAY, TEXAS 79086

April 29, 1966

Oil and Gas Conservation Commission  
State of Arizona  
Room 202 1624 West Adams St.  
Phoenix, Arizona 85007

Attention: John Bannister, Executive Secretary

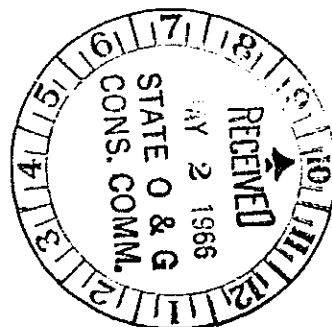
Gentlemen:

Attached please find Well Completion Report Kerr-McGee Corporation State # 3-A - 2120 Well NE NE Section 4 T-19-N R-26-E, Apache County, Arizona. Samples have been delivered to 4 Corners Sample Cut, Farmington, New Mexico, per your request. Electric log will be forwarded to you as soon as extra copies can be received.

Yours Very Truly,

Otto C. Barton  
Division Superintendent  
Oil and Gas Production  
Kerr-McGee Corporation  
Box K, Sunray, Texas

cc: John I. Fisher  
OCB: wm



#349

April 29, 1966

Kerr-McGee Corporation  
P.O. Box K  
Sunray, Texas 79086

Attention: Mr. Otto C. Barton, Division Superintendent

Re: Kerr-McGee #3A State  
NE NE 4-19N-26E, Apache County  
Permit 349

Gentlemen:

We are enclosing a supply of the Well Completion Report form, as requested during your telephone call today.

In addition, we are enclosing a supply of Application to Plug and Plugging Record for your convenience should it still be your plan to plug the #3 State well. Also enclosed are a supply of Application forms.

This Commission does appreciate your cooperation, and if it may be of assistance in any way, please contact us.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

4:40 p.m.  
4-25-66

From: Western Union

DUMAS TEXAS  
OIL & GAS CONSERVATION COMMISSION  
MR JOHN BANNISTER  
1620 W ADAMS ROOM 202  
PHOENIX

CONFIRMING OUR TELEPHONE CONVERSATION OF APRIL 22, 1966 AS  
PER YOUR VERBAL PERMISSION IT IS OUR INTENTION TO WAIVE  
TUBING REQUIREMENTS RULES 109E IN THE COMPLETION OF OUR  
STATE #3A WELL IN APACHE COUNTY BECAUSE OF EXTREMELY LOW  
RESERVOIR PRESSURE. WE CAN OPERATE THIS WELL MORE EFFICIENTLY  
WITHOUT TUBING. DETAIL LETTER FOLLOWING.

OTTO BARTON  
KERR MC GEE  
BOX K  
SUNRAY TEXAS

*Rule 209.E*

*# 349*

April 1, 1966

Kerr-McGee Corporation  
P.O. Box K  
Sunray, Texas 79086

Attention: Mr. Otto C. Barton, Division Superintendent

Re: Kerr-McGee #3A State 2120 well  
NE NE 4-19N-26E, Apache County  
Permit 349

Gentlemen:

Enclosed are approved copy of Application to Drill, Permit to Drill, and Receipt 9447 for the filing fee.

For your convenience, we are also enclosing the forms necessary for the reporting as required by our Rules and Regulations. The Sundry Report (Form 25) should be submitted to keep this office currently informed, i.e., when the well is spudded, when it is being logged, if operations are being suspended for what reason, etc.

If this office may be of help to you at any time, please let us know.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc





**KERR-McGEE OIL INDUSTRIES, INC.**

POST OFFICE BOX "K" • SUNRAY, TEXAS 79086

March 23, 1966

Oil and Gas Commission  
State of Arizona  
Room 202 1624 West Adams St.  
Phoenix, Arizona 85007

Attention: John Bannister, Executive Secretary

Gentlemen:

Attached please find Application to Drill Kerr-McGee Corporation State # 3-A Well 330' FNL & 330' FEL Section 4-19A-26E, Apache County, Arizona. Please return surplus approved copies to me. Also attached please find two copies of certified plat showing well location and two copies of plat showing outline of Unit 4 designating acreage that will be assigned to this well.

Upon successful completion of this well the existing State # 3 Well will be shut down to avoid water production.

Draft in amount of \$ 25.00 for Filing fee is also attached.

Yours Very Truly,

Otto C. Barton  
Division Superintendent  
Oil and Gas Production  
Kerr-McGee Corporation  
Box K, Sunray, Texas 79086

cc: John I. Fisher  
OCB:wm

